

10
↙

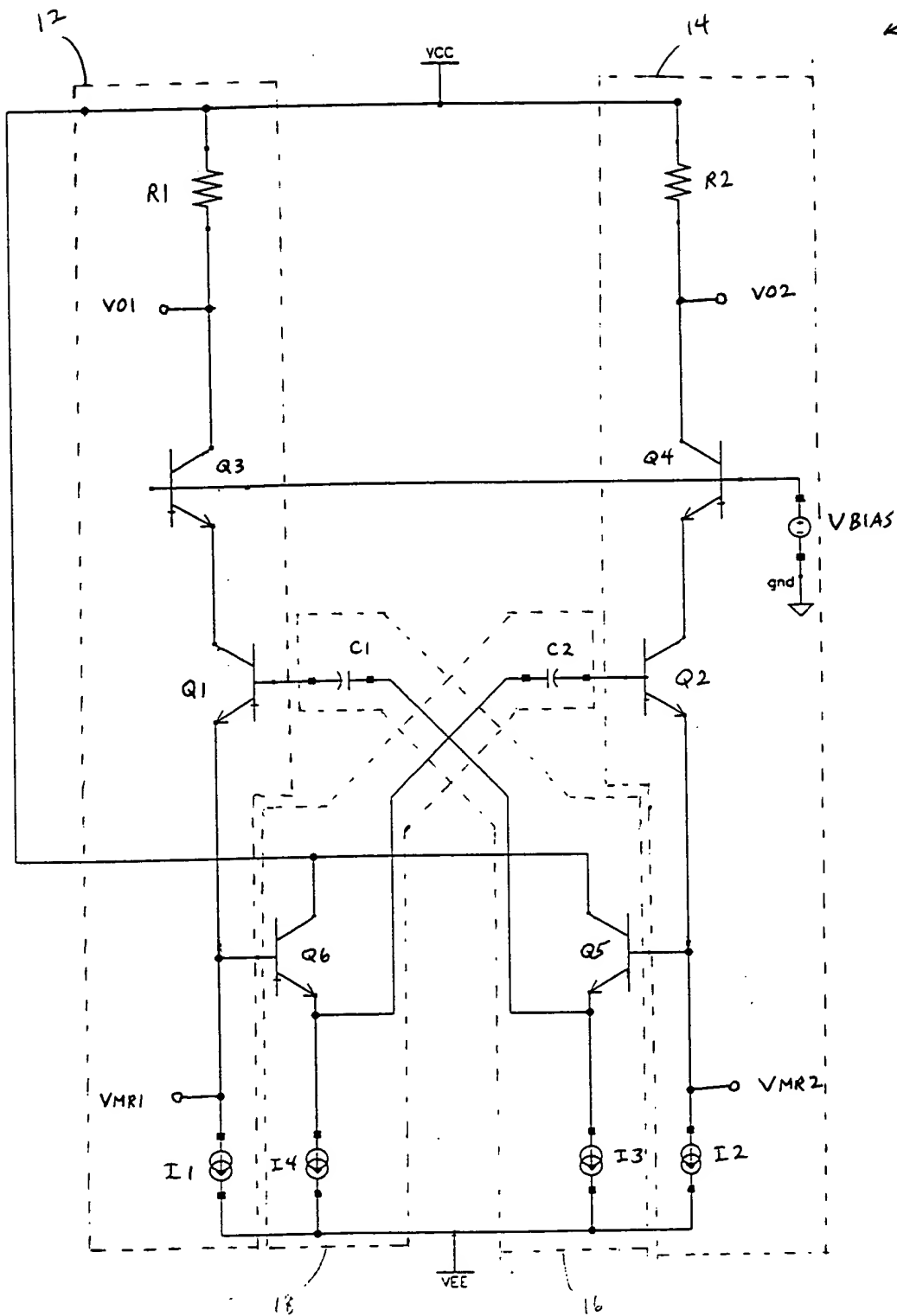


FIG. 1

20

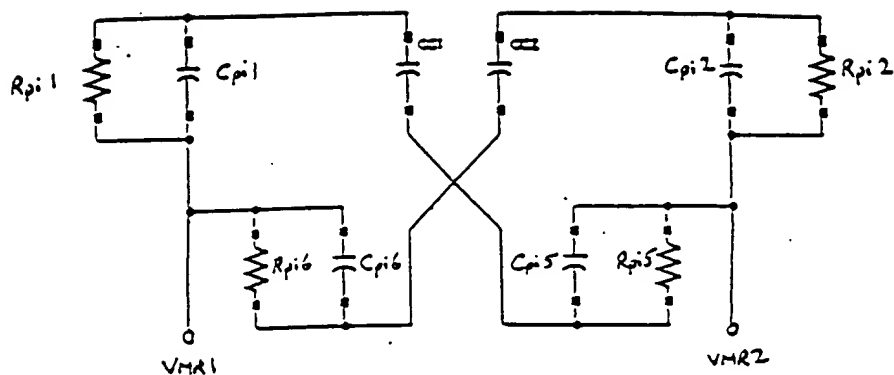
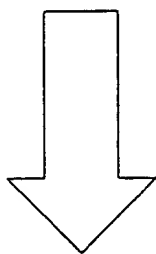


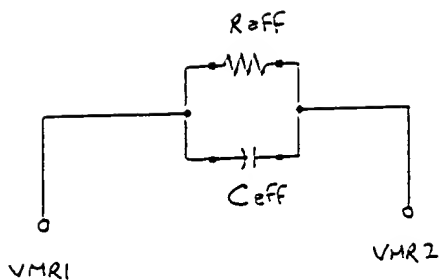
FIG. 2a

Equivalent Input Circuit

$$\begin{aligned} CC1 &>> C_{pi1} \text{ \& } CC1 >> C_{pi2} \\ CC2 &>> C_{pi1} \text{ \& } CC2 >> C_{pi2} \\ CC1 &>> C_{pi5} \text{ \& } CC1 >> C_{pi6} \\ CC2 &>> C_{pi5} \text{ \& } CC2 >> C_{pi6} \end{aligned}$$



22



$$\begin{aligned} R_{eff} &= R_e \parallel R_{pi1} \approx R_e \\ C_{eff} &= (3 \cdot C_{pi1})/2 \end{aligned}$$

FIG. 2b

Simplified Circuit

30
↙

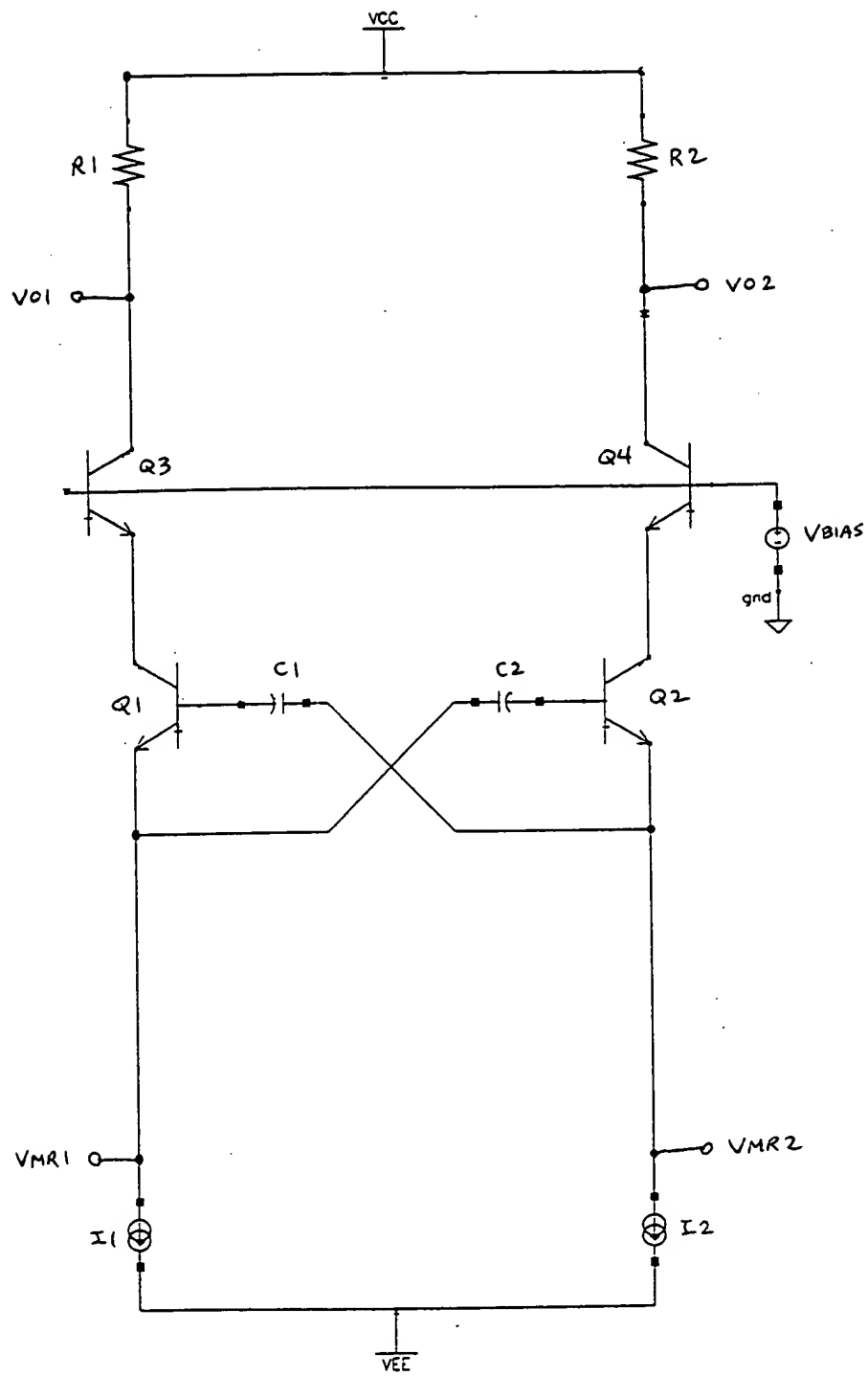


FIG. 3

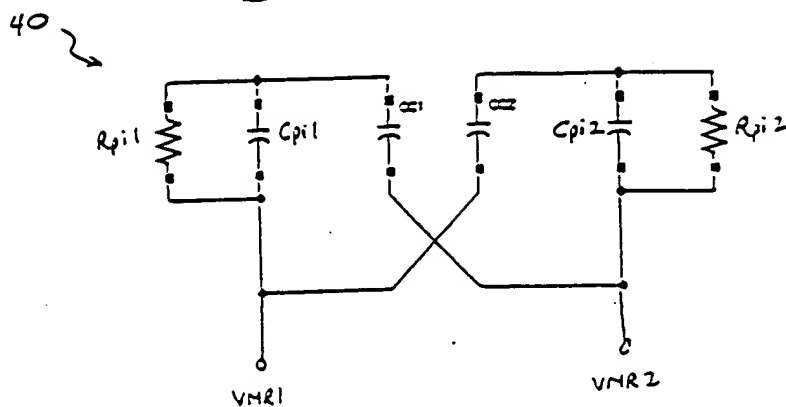


FIG. 4a
PRIOR ART

Equivalent Input Circuit

$$\begin{aligned} CC1 &>> C_{pi1} \text{ \& } CC1 >> C_{pi2} \\ CC2 &>> C_{pi1} \text{ \& } CC2 >> C_{pi2} \end{aligned}$$

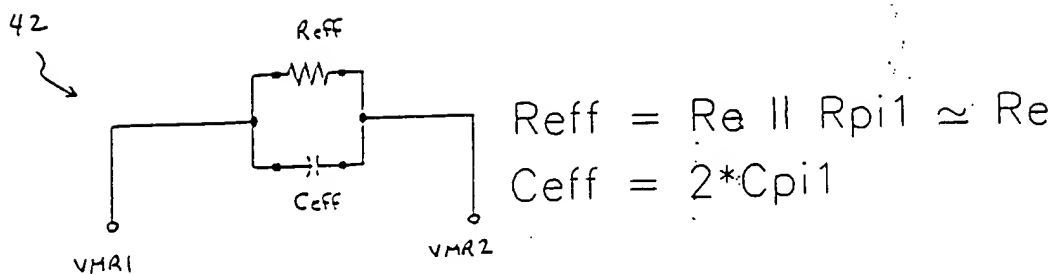
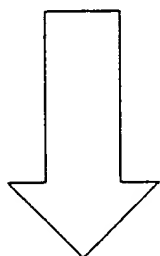


FIG. 4b
PRIOR ART

Simplified Circuit

FREQUENCY RESPONSE

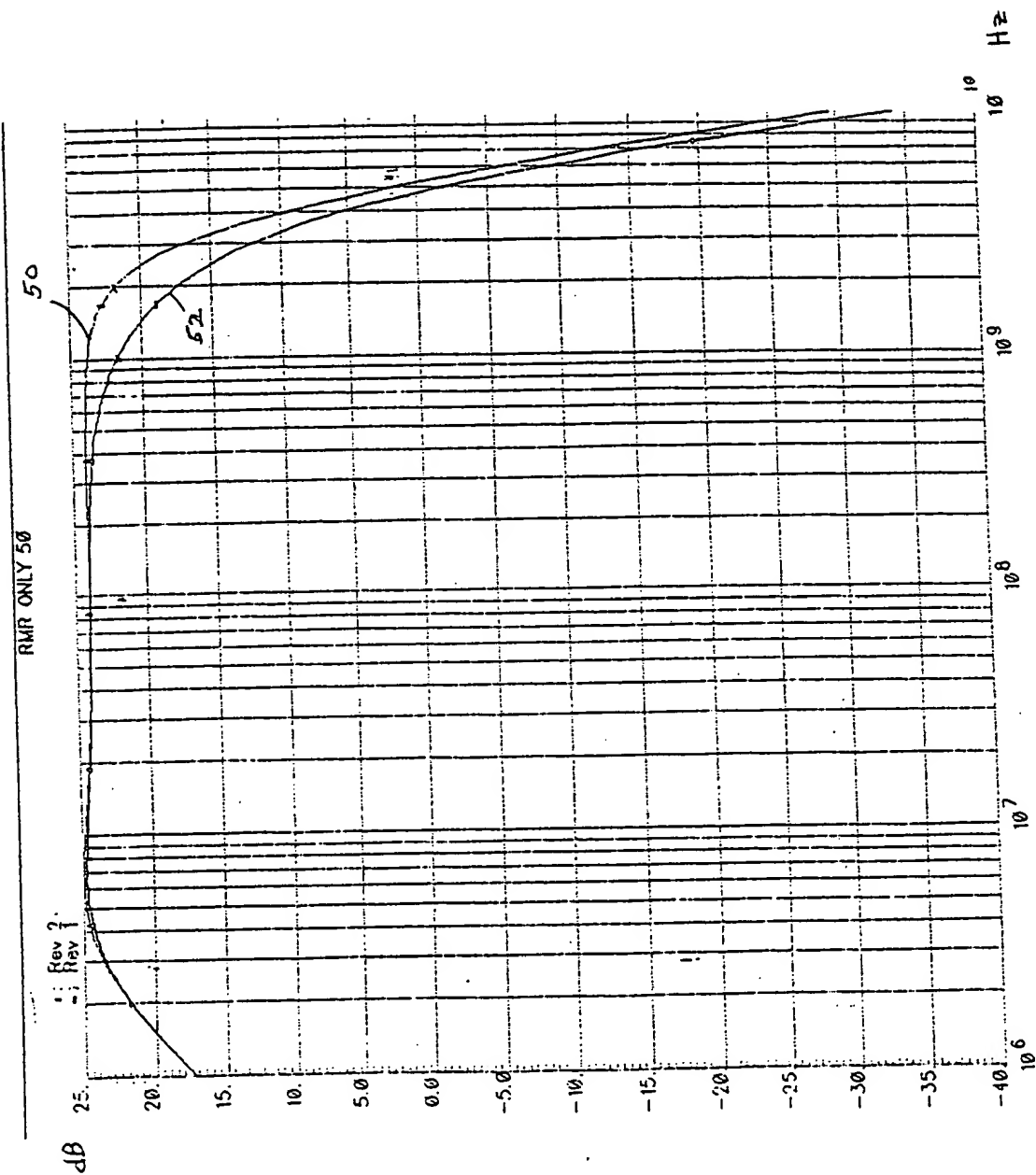


FIG. 5

NOISE

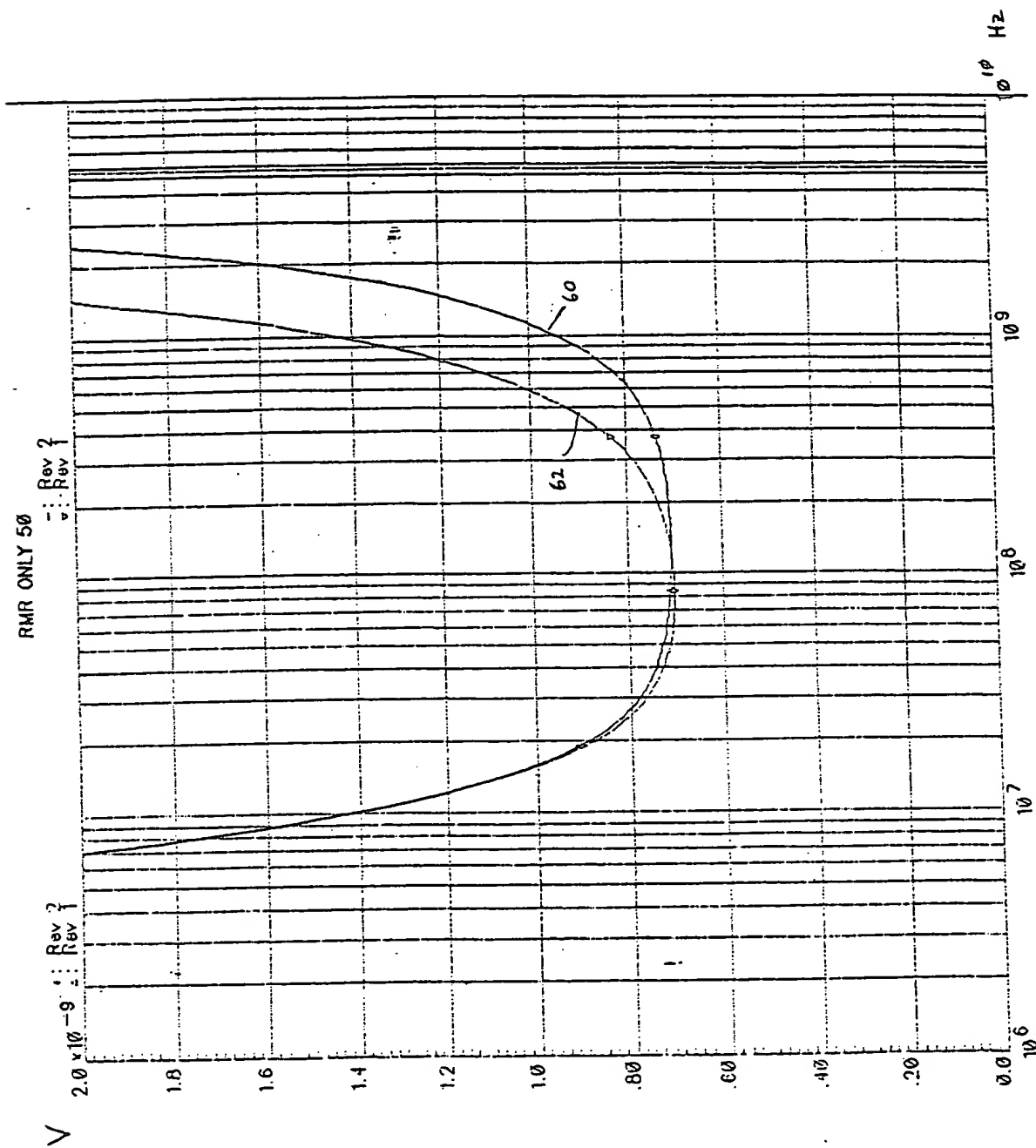


FIG. 6